PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application Of:	Atty. Docket No.: 47163-00018USD1
Fujio Kuwako	Examiner: Not Assigned
Application No.: Not Assigned	Group Art Unit: Not Assigned
Filed: Not Assigned	CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage
For: Method For Producing Multi-Layer Printed Wiring Boards Having Blind Vias	prepaid, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on June 9, 2000 Signature: Accepted The Control of the

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 AND 1.98

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered, and the references listed on enclosed Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed references are not enclosed, since they were submitted to the Patent and Trademark Office in the parent application, Serial No. 09/229,225.

In accordance with 37 C.F.R. §§ 1.97(g) and (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, or an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability, as defined in 37 C.F.R. § 1.56.

This Information Disclosure Statement is being filed prior to receipt of a first Office Action reflecting an examination on the merits and, hence, is believed to be timely in accordance with 37 C.F.R. § 1.97(b). Accordingly, no fee is believed to be due. Should any fee be deemed necessary (except payment of the issue fee), however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 10-0447/47163-00018USD1. A duplicate copy of this Statement is enclosed for that purpose.

Respectfully submitted,

Frold . Theles

Date:

Harold N. Wells Reg. No. 26,044 Jenkens & Gilchrist

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Suite 3200

Dallas, Texas 75202-2799

(312) 744-0090 For the Applicant

PTO/SB/17 (10/96)
Approved for use through 09/30/98. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Complete if Known				
	Application Number	Not Assigned			
FEE TRANSMITTAL	Filing Date	Not Assigned			
	First Named Inventor	Fujio Kuwako			
	Group Art Unit	Not Assigned			
	Examiner Name	Not Assigned			
TOTAL AMOUNT OF PAYMENT (\$) 690.00	Attorney Docket Number	47163-00018USD1			

									CAL C	III ATION (agating and	
	METHOD OF PAYMENT (check one)					FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				3. ADDITIONAL FEES							
Denosit	Deposit 10-0447/47163-00018USD1					Large Fee	Entity Fee	Small Fee	Entity Fee		
•	Account				Code	(\$)	Code	(\$)	Fee Description	Fee Paid	
Number					105	130	205	65	Surcharge - late filing fee or oath		
Deposit		enkens & (Gilchrist			127	50	227	25	Surcharge - late provisional filing or cover sheet.	
Accoun	nt					139	130	139	130	Non-English specification	
Name			-	–		147	2,520		2,520	For filing a request for	
		ny Additional irod Under 37	L	CFR 1.18 at the M			000*	440	000*	reexamination	
Fee Required Under 37 CFR 1.18 at the Mailing of the CFR 1.16 and 1.17 Notice of Allowance, 37 CFR						112	920	112	920	Requesting publication of SIR prior to Examiner action	
2.	⊠ F	Payment Er	nclosed	1.31(b)		113	1,840°	113	1,840 [*]	Requesting publication of SIR after Examiner action	
					115	110	215	55	Extension for response within first month		
		041 0111 1	TION (eeeuu	10/00)	116	380	216	190	Extension for response within second month	
FEE CALCULATION (fees effective 11/10/98)				117	870	217	435	Extension for response within third month			
1. I Large E		LING FEE ity Small Entity				118	1,360	218	680	Extension for response within fourth month	
-	Fee	Fee	Fee	Fee Description	Fee Paid	119	300	219	150	Notice of Appeal	
Code 101	(\$) 690	Code 201	(\$) 345	Utility filing fee	690.00	120	300	220	150	Filing a brief in support of an appeal	
106	310	206	155	Design filing fee		121	260	221	130	Request for oral hearing	
107	480	207	240	Plant filing fee		138	1,510	138	1,510	Petition to institute a public use proceeding	
108 114	690 150	208 214	345 75	Reissue filing fee Provisional filing fee	_			240	55	Petition to revive unavoidably abandoned application	
r	SUBTOTAL (1) (\$) 690.00		141	1,210	241	605	Petition to revive unintentionally abandoned application				
						142	1,210	242	605	Utility issue fee (or reissue)	
2.	CLAII	MS			_	143	430	243	215	Design issue fee	
			Extra	Fee from below	Fee Paid	144	580	244	290	Plant issue fee	
Total Cl	aime O	-20 =	<u>0</u>	X =	0.00	122 123	130 50	122 123	130 50	Petitions to the Commissioner Petitions related to provisional	
Indepen			0	X =	0.00	123	ijŰ	123	50	applications	
Claims			_			126	240	126	240	Submission of Information Disclosure Stmt	
	•	dent Claims	<u>0</u> Entitu	X =	0.00	581	40	581	40	Recording each patent	
Large E	Entity Fee	Small I Fee	Fee	Fee Description						assignment per property (times number of properties)	
Fee Code	(\$)	Code	(\$)	·	20	146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
103	18	203	9	Claims in excess of		149	760	249	380	For each additional invention	
102	78	202	39	Independent claims excess of 3						to be examined (37 CFR 1.129(b))	
104	260	204	130	Multiple dependent	claim	Othe	er fee (sp	ecify)			
109	78	209	39	Reissue independent claims over original pat	ent	Othe	er fee (sp	ecify)			
110	22	18	9	Reissue claims in exce	ss of					• •	5)
			SUBT	of 20 and over original OTAL (2)	patent (\$) 0.00	* Reduced by Basic Filing Fee Paid					

SUBMITTED BY					Complete (if applicable)
Typed or Printed Name	Harold N. Wells	_	Reg. Number	26,044	
Signature	2 horald	In Spells	Date 6-9-00	Deposit Acct. User ID	10-0447/47163-00018USD1





Form PTO-1449 (modified)

List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT

Page 1 of 1

Atty. Docket No. 47163-00018USD1

Serial No.
Not Assigned

Applicant Fujio Kuwako

Filing Date: Not Assigned Group:

Not Assigned

			U.S. Pa	atent Docum	ents		
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A01	5,403,672	04/1995	Urasaki et al.	428	607	
	A02						
	A03						
	A04						
	A05						
			Foreign	Patent Docu	ıments		
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B01	WO97/41713	11/1997	PCT	H05K	3/02	N/A
	B02	Hei 4-3676	1/1992	Japan	H05K	3/46	Abstract
	В03						
(Other	Art (Includ	ing Auth	or, Title, Dat	te Pertiner	nt Page:	s, Etc.)
Exam. Init.	Ref. Des.			Citat			
	C01	"A Flexible Production Laser System for Blind Via Drilling," Anton Kitai and Jim Morrison, Lumonics, Kanata, Ontario Canada; from brochure <i>Proceedings of the Technical Conference Expo '98</i> , 4 pgs.; 1998					
	C02	Kimbara Nobuy	nki Ikeguchi, Y	y for Glass Fabrics Ba Yoshihiro Kato, Mitsub The Technical Conferen	ishi Gas Chemical	Company, In	io, Gaku, Hidenori ic., Toyko, Japan;
	C03	Kestenbaum, An Transactions On 1062 (Decembe	n Components,	r Drilling Of Microvia Hybrids, and Manufac	s In Epoxy-Glass I turing Technology	Printed Circuit, Volume 13,	it Boards," <i>IEEE</i> No. 4, pp. 1055-
	C04	Pargellis, A. N., Laser Technolo	et al., "Format gy, Volume 22,	ion of Microvias In Ep No. 3, pp. 205-207 (Ju	oosy-Glass Compos ine 1990)	sites By Lase	r Ablation," Optics

EX	A	M	TN	JF	R	•

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.